

*The Standard*

**AIRCRAFT LOG**

**ASA-SA-1**

The Standard Aircraft Log  
SA-1

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ASA-SA-1

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P N R   A S A - S A - 1

Aircraft Record General Information

Manufacturer Cessna Model 172  
Serial 17253005 Registration Number N-5451R

Date of Manufacture 1965

Engine(s) currently installed:

Manufacturer Cont Model O-300 D Serial 33038-D-5-D

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

Propeller(s) currently installed:

Manufacturer McCurley Model IC172/EM7653 S/N. 51016

HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

1569 172F Made

1,182<sup>th</sup> Plane Made  
in 1965



9 781560 274193

## Registered Owner Record

Notes

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

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Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

CRS#: UJDR862L  
AERODYNAMICS of Reading, Inc.  
104-B West Apron Drive  
Reading, PA 19605

08/26/99  
N5451R  
172  
S/N: 17253005  
A/C TT: 852.3  
HOBB: 712.5

1LG. CESSNA 172/17253005 >

1. REMOVED INOPERATIVE TAIL BEACON LAMP P/N 1156 (WRONG P/N PER CESSNA PARTS CATALOG). INSTALLED CORRECT LAMP P/N WRM-44KA. OPERATIONAL CHECK SATISFACTORY.
2. REMOVED RH MAIN WHEEL ASSEMBLY. DIASSEMBLED WHEEL; REASSEMBLED WITH NEW 6.00-6 TUBE AND ORIGINAL TIRE. CLEANED AND PACKED WHEEL BEARINGS (WRONG GREASE HAD BEEN APPLIED). REINSTALLED WHEEL.
3. SERVICED NOSE TIRE AND LH AND RH MAIN TIRES TO CORRECT PRESSURES.

*John R. Den*  
AUTHORIZED SIGNATURE CRS# UJDR862L

DATE	SERV	
	MAINTENANCE RELEASE	
This component was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.		
Pertinent details of the repair are on file at this agency under Work Order: No. <u>1900</u> Date <u>8 July 04</u>		
Remarks: <u>Replaced Turn Coord + Starter Solenoid</u>		
Signed: <u>JDP Meek</u>		
DUNKIRK AVIONICS LLC. FAA CRS DKZR372X		
The following altimeter and altitude re as required by FAR 91.411, IAW FAR Part (a) Static System <u>23</u>		
Part (b) Altimeters		
Pilot's	Ramp	Copilot's
S/N	<u>B59136</u>	S/N
Tested to <u>18,000</u> feet		
Part (c) Integrated System Test <u>23</u>		
Technician <u>K. S. Meek</u>		
DUNKIRK AVIONICS LLC. FAA		
ATC Transponder test and inspection IAW FAR Part 43, Appendix F, hav Transponder Model <u>AT 501</u> Transponder Model <u>NTP</u> Technician <u>J. D. P. Meek</u> DUNKIRK AVIONICS LLC. FAA		
Tested by <u>J. D. P. Meek</u> Date: <u>7/23/04</u> SCALE CORRECTIONS SHOWN ON THIS CARD ARE THE SCALE ERRORS WITH THE SIGN REVERSED. ONLY THOSE SCALE ERRORS DETERMINED BY THE USE OF A MASTER ALTIMETER TRACEABLE TO AN ACCURATE MERCURIAN BAROMETER AT THE TIME THE ALTIMETER IS CALIBRATED FOR ACCEPTANCE WILL BE USED IN DETERMINING SCALE CORRECTIONS FOR ENTRY ON THIS CARD. THE COMPLETED SCALE CORRECTION CARD WILL BE ATTACHED TO THE ALTIMETER WHEN IT IS NOT INSTALLED IN THE AIRCRAFT.		
DUNKIRK AVIONICS LLC. FAA CRS DKZR372X		

		0	0
500	+10	18000	+410
1000	+10	20000	
1500	+10	22000	
2000	+10	25000	
3000	+20	30000	
4000	+10	35000	
6000	0	40000	
8000	-10	45000	
10000	0	50000	
12000	-20		

*Tested by J. H. [Signature]*

Date: 7/23/64

SCALE CORRECTIONS SHOWN ON THIS CARD ARE THE SCALE ERRORS WITH THE SIGN REVERSED. ONLY THOSE SCALE ERRORS DETERMINED BY THE USE OF A MASTER ALTIMETER TRACEABLE TO AN ACCURATE MERCURIAL BAROMETER AT THE TIME THE ALTIMETER IS CALIBRATED FOR ACCEPTANCE WILL BE USED IN DETERMINING SCALE CORRECTIONS FOR ENTRY ON THIS CARD. THE COMPLETED SCALE CORRECTION CARD WILL BE ATTACHED TO THE ALTIMETER WHEN IT IS NOT INSTALLED IN THE AIRCRAFT.

YEAR

DATE

The following altimeter and altitude reporting equipment tests and inspections as required by FAR 91.411, IAW FAR Part 43, Appendix E, have been performed.

Part (a) Static System 23 July 04 (date)

Part (b) Altimeters

Pilot's Ramp Copilot's N/A Standby N/A  
S/N B5936 S/N N/A S/N N/A

Tested to 18,000 feet

Part (c) Integrated System Test 23 July 04 (date)

Technician J. Dunn W/Q# 1919

DUNKIRK AVIONICS LLC. FAA CRS DKZR372X

ATC Transponder test and inspections as required by FAR 91.413

IAW FAR Part 43, Appendix F, have been performed.

Transponder Model AT 50 A S/N 33362

Transponder Model N/A S/N N/A

Technician J. Dunn W/Q# 1919

DUNKIRK AVIONICS LLC. FAA CRS DKZR372X

FORM 105

1. Approving National Aviation Authority/Country: FAA/UNITED STATES	2. <u>INULATOR</u> <u>SERIAL</u> <u>SERIAL(S.)</u>		
<b>AUTHORIZED RELEASE</b>			
FAA Form 8130-3, AIRWORTHY			
4. Organization Name and Address: <b>KELLY AEROSPACE POWER SYSTEMS, AIRPORT COMPLEX, FL</b>			
6. Item:	7. Description:	8. Part Number:	9. Eligibility:
1	ALTERNATOR *****	DOFF10300F MOD/NO END *****	N/A
11 C.W.C 5728		1AZ13K	
13. Remarks:		A COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AERO CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED WITH JAR 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT CO READY FOR RELEASE TO SERVICE UNDER JAA ACCEPTANCE CERTIFIC APPROVED FOR EXPORT THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES COMPLIES WITH PPS-9001 LATEST REVISION NOTE: THE FAA-PMA SHOWN ON THE DATA PLATE ONLY REPRESENTS FAA OVERHAULED PER CESSNA MANUAL # D5107-1-13, REV 1.	



**INTENANCE RELEASE**

This component was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency under

Work Order: No. 1949 Date 29 Oct 04

Remarks: Installed KMA 24 GMC 250xL

Signed: DBMtd

KIRK AVIONICS LLC, FAA CRS DKZR372X

SPS for VFR use only.

**YEAR:** **RECORDING** **TODAY'S** **TOTAL**  
**TACH** **FLIGHT** **TIME IN** **TIME**  
**TIME** **IN** **SERVICE** **ALTERATIONS**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repairman

 WINNER  
AVIATION

UNGSTOWN-WARREN REGIONAL AIRPORT • VIENNA, OH 44473  
PHONE: (330) 856-5000 • FAX: (330) 856-4582 • CRS W6NR9851

5451R ◇ S/N 17253005

1. Removed and installed new Gill battery P/N G-25 S/N G02158972.

All work performed has been operational checked and is satisfactory for work performed.

Date December 29, 2004 Hobbs Time 712.5 Tach Time 4.9 W.O.No 40-04241

The maintenance operations described above were inspected I.A.W. current Federal Aviation Regulations, and with respect to the work performed the aircraft and or component is approved for return to service for discrepant items above. Details are on file at this agency under the above work order Signed John Simon  For, Winner Aviation Corporation,

~~United Repair Station W6NR985J~~

AR: TE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
3/05	53.8	3649.17	3649.17	<p>COMPLETED 100 Hr INSPECTION ACCORDING TO Cessna Service Manual, replaced O9-14-5      FILTER, BAG 10% F, ITLV; DOOR &amp; BRIDGE Lock      ASSY. c/w Fan 91.207 P/N 200 ELT ops c/lc. ok.      c/w AD 72-03-03 R3 wing Flap Jack screw visual &amp; lob      NEXT DUE 6/13/06 Tach 153.8 c/w AD 71-22-2 nose fairing by      ZYGO next due 6/13/06 tach 153.8 c/w AD 96/09/06      bracket air filter gasket by visual next due 6/13/06 tach      153.8. SEE A.R. COMPLIANCE LIST #84 ANNUAL FOR      MORE INFO. c/w AD 82-20-03 R2 visual DUE 05/08/07/11      LEMKE op's chg/c ok 2/12/07 121P 3210781</p>

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations																		
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)																		
6/21/05	56.9		3652.27	<del>HAT SHELF</del> REPLACED CARPET WITH 32172. NO WEIGHT & BALANCE REQUIRED <i>John P. Ri</i> 21-781																		
<p style="text-align: center;">F.A.A. - P.M.A. AIRTEX PRODUCTS, INC.</p> <p>NUMBER <u>32172</u> <u>Saddle</u></p> <table border="0"> <tr> <td>PART <input checked="" type="checkbox"/></td> <td>CARPET P-118</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>COWL PAD</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>CUSHION UPHOLSTERY</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>HEADLINER</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>WALL PANELS</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>BAGGAGE COMPARTMENT</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>FIREWALL COVER</td> </tr> <tr> <td>PART <input type="checkbox"/></td> <td>SEAT SLINGS</td> </tr> <tr> <td>- PART <input type="checkbox"/></td> <td>HAT SHELF PAD</td> </tr> </table> <p>ELIGIBILITY <i>Possessor 172A 1966</i></p>					PART <input checked="" type="checkbox"/>	CARPET P-118	PART <input type="checkbox"/>	COWL PAD	PART <input type="checkbox"/>	CUSHION UPHOLSTERY	PART <input type="checkbox"/>	HEADLINER	PART <input type="checkbox"/>	WALL PANELS	PART <input type="checkbox"/>	BAGGAGE COMPARTMENT	PART <input type="checkbox"/>	FIREWALL COVER	PART <input type="checkbox"/>	SEAT SLINGS	- PART <input type="checkbox"/>	HAT SHELF PAD
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PART <input type="checkbox"/>	SEAT SLINGS																					
- PART <input type="checkbox"/>	HAT SHELF PAD																					

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/7/05	117.5 <del>Hobbs 712.5</del> Doesn't Workie			Replaced oil Pan Fasteners & Receipts with new. Replaced Flap actuator with Reman unit from Cessna ph C301002-0309R installed service kit SK 150 -41B - Flap actuator replacement per installation instructions ph SK460-16-9 installed new Flap switch with KIT ph SK661-1 change to weight & Balance: Negligible _____ M.J.R. AFD 9766036

76.3 N5451R CESSNA 172F S/N 17253005 DATE 01/04/2006

006

LED TURN AND BANK GYRO ELECTRIC GYRO CORP MODEL 13941100-3SP  
WIRING AND 5AMP BREAKER WOOD P/N 435205-105.  
LED HORIZON GYRO WITH INCLINOMETER CASTLEBERRY MODEL 300-  
1 504-0006-954 S/N 205JO3258 AND 2AMP BREAKER POTTER BRUMFIELD  
-XC4C12A-2 . IN LOCATION OF REMOVED TURN AND BANK GYRO.  
LED IN ACCORDANCE WITH MANUFACTURE INSTALLATION DRAWING  
-1025 REV E 07-18-2005.

CHECKS HAVE BEEN PERFORMED WITH NO ADVERSE EFFECTS  
EFFECTS ON EXISTING OR NEWLY INSTALLED EQUIPMENT DETECTED.  
REFERENCE AC43.13-1B, REV 1, CH 11, PAR 106, 107.

ELECTRICAL LOAD ANALYSIS PERFORMED. LOAD DOES NOT EXCEED 80  
PERCENT OF THE ELECTRICAL GENERATING SYSTEM CAPACITY.  
REFERENCE AC43.13-1B, REV 1, CH 11, PAR 37.

WEIGHT AND BALANCE AMENDED.  
REFERENCE AC43.13-1B, REV 1, CH 10.

AVIONICS, INC. C.R.S. QU8R488X WO# 0337421  
EY KELLY DRIVE  
PA 16137

卷之三

*[Signature]*  
Johnson Jr

1		<b>1741</b>	
		Aerospace Welding Minneapolis Inc.	
		12124 12 <sup>th</sup> Ave. S.	
		Burnsville, MN 55337	
		(952) 890-1511	
		FAA-PMA	
		Approved	
		Approved Replacement for:	
		Cessna 0550176-59	
		Part Number: C1700001-1	
		Installation  Eligibility MODEL: C-172C, C-172D, C-172E, C- C-172G, C-172H S/N 17248735 thru 172	
<p>NOTE: In case of parts to be exported, the special requirements of the importing country have been met.</p> <p>15 SIGNATURE</p> 		<p>carried out in accordance with in respect to the work performed return to service</p> <p>16 FAA AUTHORIZATION NO.</p> <p>PC4</p>	
<p>17 NAME (TYPED OR PRINTED)</p> <p>Max Linner</p>		<p>18 DATE</p> <p>07/11/2001</p>	
<p>19 APPROVAL NUMBER</p> <p>0000</p>		<p>20 AUTHORIZED SIGNATURE</p>	
<p>FAA FORM 8130-3 (11/93) *OPTIONAL) INSTALLER MUST CROSS CHECK ELIGIBILITY WITH THE AIRCRAFT</p>			

<u>MICs</u>		3. SYSTEM TRACKING REF NO	ations
oilir v'		8085	ber of Technician or Repair
		5. WORK ORDER CONTRACT OR INVOICE NUMBER	sector heat control -
		50680	At P 1968721
SERIAL/BATCH NO	12	STATUS/WORK	
N/A		New	
EXPORT APPROVAL.		EX-PA-CE-41711	
64530		ACED PA-6105	
		GEAR TIRES, L	
		CIRCLE PN-0510105-2	
		00001. C/L E-LT	

**ACKING REF NO**

**Member of Technician or Repair**

35

**CONTRACT NUMBER**

50680

**USWORK**

**actions**

sector heat control -

- ATP 1968721

exchance w/ TII

ACED BA-6105

GEAR TIRES,

CHASLE PN-0510105-2

00001. C/w ELT

ED POTILT, w/ BEARING

HIC BEARINGS

EGL THERMO COUPLE

3R3 FLAP JACK

O-ER

formuli ed identificati col riferimento del lotto di  
forniture e documentanti prelisti, relativi ai materiali in oggetto.

Differences in dimensions regarding the subject parts are on the manufacturing lot, are manufactured by different than the user instructions due to differences between the two users.

27 05

Production lot  
Lotto produzione

17.5x6.25+6.00-6

ONFORMANCE  
ONFORMATI

**Repairs and Alterations**  
and Certificate Number 47

and Certificate Number of Technician or Repair  
Technician's Name (Leave blank for general entries.)

1-20-06	2055	Install new Cessna PN S1224-4 carburetor heat control - Op check Otk RSR Robert S. Shaffer ATP 196872
5/23/06	021301	3808.47 COMPLETED 100 <sup>HR</sup> INSPI IN ACCORDANCE WITH CESSNA SERVICE MANUAL. REPLACED BA-6105 FILTER. REPLACED BOTH MAIN GEAR TIRES, & TUBES. REPLACED PARKING BRACKET CABLE PN-0500105. REPLACED BOTH MUFFLER PN-C1700001. C/LW EGT PART 91.201 PAR(C) C/LW O.K. REPLACED POTENTIOMETER BEAM BULB. REPLACED L/H MAIN GEAR WHEEL BEARING S PN. 13889, 13836. REPLACED EGT THERMOCOUPLE PN-713-20WK, C/LW HD 72-03-03R3 FLAP JACK

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
02/13/01		3808.47		JACK SCREEN NEXT DOG 313.1. C/W AD 96109-06 BRACKET AIR FILTER GASKET. NEXT DOG 313.1. C/W AD 82-20-03R2 SCRT TRACK NEXT DOG 313.1. LUBED ALL FLIGHT CONTROLS & GEAR RUNUP & LUBE GEAR OK. John Pil. 6TP 2710751
5/23/06	0213.1	3808.47		CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION John Pil. 6TP 2710281 PA

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT

N 5451R

SCALE CORRECTIONS      ALTIMETER NO. 1

CALIBRATED Altimeter Readings	ADD		Room Temp. 0C
	Algebraically	Altimeter Reads	
-4,000	+10	20,000	-50
0	+5	20,000	-80
1,000	-0 -	25,000	
2,000	-0 -	30,000	
3,000	-0 -	35,000	
4,000	-20	40,000	
6,000	-20	45,000	
8,000	-25	50,000	
10,000	-30	60,000	
12,000	-30	70,000	
14,000	-40	80,000	
16,000	-50	90,000	

TESTED BY  
W/O

60612

FORD CO. LW6R186J  
MCVILLE AIRPORT  
FREEPORT, PA 16229

APPROVED BY

John Paul 24848806

n or Repair

spared  
time

IFR

JUN 12, 2006

Test 2234 BNC Connectors  
AFT#0107345957

IFRSAT CHK fails. Replaced XPR Antenna. Replaced  
Moisture trap on STATIC system

IFR

IFRSAT CHK c/w

NO AOS Apply this  
SAT CHK

Lynn Ford

AFT#0107345957

## FORD CO. LW6R186J

I certify that the transponder/altimeter/encoder/static system tests. FAR Pt. 91.411 and 91.413 have been complied with. FAR Pt. 43 Appendix E, Paragraph (c) test has been complied with.

Altimeter GARWIN 81313 B5936

Encoder NARCO AR250 32071

Transponder NARCO AT50A 33362

Make: Model: S/N.

W/O# 1060612 By Lynn Date JUNE 12, 2006

Next Test Due 24 months & 06-2008 FORM 1

Approved By Lynn Ford 24248801n

N5451R

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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TACH TIME: 361.6 hrs

N5451R

DATE 01-02-2007

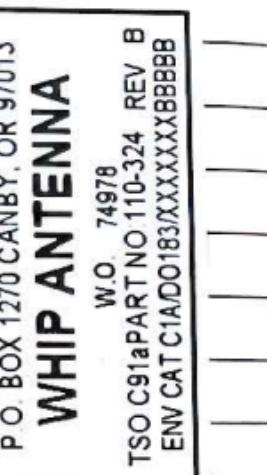
REMOVED BROKEN ELT ANTENNA.

INSTALLED NEW ELT ANTENNA P/N 110-324 AND OPS CHECKED ON GROUND GOOD.

QUALITY AVIONICS, INC. CRS QU8R488X WO# 0611273



DAVID R. RIVERS



YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Tom's Aircraft Service**  
**1559 Airport Road**  
**Franklin, PA 16323**

REG#: N5451R  
 S/N: 17253005  
 TACH: 370.3

MODEL: C-172  
 DATE: 05/02/07  
 TSO: TT: 3965.67

Completed 100hr. inspection in accordance with Cessna Inspection Guide. c/w FAR.91,207 (D) ELT ck. ok. c/w AD72-03-03R3 wing flap jack screw. Next due 470TACH or annual. c/w AD96-09-06 bracket air filter gasket. next due 470TACH or annual. c/w AD87-20-03R2 seat track. next due 470TACH or annual. Replaced D9-14-5 vac. filter. Replaced BA-6108 inlet filter. Lubed flight controls. Packed wheel bearings. Replaced two hoses on oil separator. Run-up & leak ck. ok.

I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

John Pink

A&amp;P2710781IA

## SCALE CORRECTIONS

## ALTIMETER NO. /

YEAR:	RECORDIN TACH TIME	MAKE <i>Garwin</i>	ADD ALGEBRAICALLY	MODEL <i>S1313</i>	SERIAL NO. <i>65936</i>
DATE		Altimeter Reads	Room Temp. °C	Altimeter Reads	Room Temp. °C
		-1000	-1000	14000	12010

*End 8/8*

SYSTEM TESTED TO 16 KFT.

QUALITY AVIONICS INC. QU8R488X

I certify that the transponder/ altimeter/ encoder/ static system tests 14 CFR Parts 91.411 and 91.413 have been complied with. 14 CFR Pt. 43 Appendix E.Paragraph (C) test has been complied with.

Make: Garwin Model: S1313 S/N 65936  
Altimeter

Encoder Narco AR850 32071

Transponder Narco AT50A 33362

W/O No. 0802182 By DR Date 2-21-2008

Next Test Due 2-2010 Tail No. N5451B

Approved By Dan M. Reine FORM 13A (04-29-04)

ns  
if Technician or Repair  
*2007*

*165 hours*

Approving National Aviation Authority / Country FAA/UNITED STATES		AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Track/Number <b>1969836</b>
4. Organization Name and Address Cessna Aircraft Company Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218		5. Work Order Contract/Invoice Number 815137		
ITEM: 6	PN: NAS43DD3-27FC	8. Part Number 6 SPACER (CH)	9. Eligibility N/A	10. Quantity 1
ORDER: 1069836N/LOT: N/A		11. Serial/Batch Number N/A	12. Status/Work New	
3. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.				
PO# C65365				
4. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13		19. <input type="checkbox"/> 14 CFR 43.3 Return to Service <input type="checkbox"/> Other regulation specified in block 13 Certificates that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
5. Authorized Signature <i>Kenneth W. Wysocki</i>		16. Approval Authorization No <i>100129CE</i>	20. Authorized Signature	21. Approval Certificate No.
17. Name (Typed or Printed) <b>KENNETH E. WYSOCKI SR.,ODARF</b>		18. Date (m/d/y) <i>APR/02/2008</i>	22. Name (Typed or Printed)	23. Date (m/d/y)
User / Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.				
FAA Form 8130-3 (6-01)		* Installer must cross-check eligibility with applicable technical data.		
NSN 0052-00-012-3005				

nd Alterations  
cate Number of Technician or Repair

*~ Kurt*

*, elian Ditt*

ONE SPACER PN:

1-NAS43 DD3-27 N

1-N6 PN: 05H24S-1

YEAR: ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				2007
End of year	tach	2007	419 hrs	57 tasks hours

**SEARCH TIME: 423.9 hrs**

R

-2008

RELOCATED HEADPHONE AND MICROPHONE JACKS, ALL FOUR PLACES,  
SIDE PANEL POSITIONS WITH JACK MOUNTING PLATES. REMOVED,  
LEAN REPAINT AND REINSTALL COM #2 AND #3 ANTENNAS WITH NEW  
42 COAXIAL CABLE. REPLACED STATIC SUMP BOTTLE. INSTALLED  
SUPPORT STRAPS ON LEFT AND RIGHT SIDES OF RADIO STACK.  
INSTALLED NEW CABLE FROM MASTER RELAY TO STARTER RELAY.

ALITY AVIONICS, INC. C.B. QU8R488X WO# 0802182



QU8R488X WO# 0802182  
*David R Rivers*  
DAVID R RIVERS

TIME		SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of technician or Repair Facility. (See back pages for other specific entries.)
2008	420	Tack	New brake pads William Hutt
2008	420	Tack	New Concorde Battery William Hutt
430.6	712.5		REPLACES R/H DOOR HARDWARE ONE SPACER PN: NA543003-27FC, ONE SPACER PN: NA543003-27N ONE SPRING PN: 0511119, ONE SPRING PN: 0511248-1 JHM/PW AIP 2710781

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<b>TACH TIME 431.1</b> N5451R DATE 04-11-2008
				REMOVED EXISTING SIGTRONICS SPA 400 INTERCOM WIRING HARNESS INSTALLED NEW HARNESS INTERFACED TO EXISTING MIC AND PHONE JACK ,PTT BUTTONS, FUSE. SEE WIRING DIAGRAMS FOR DETAILS IN AIRCRAFT RECORDS. ALL WORK DONE IN ACCORDANCE WITH SIGTRONICS SPA-400 INSTALLATION MANUAL P/N SPA-400-IS REV D.
				INSTALLED SIGTRONICS SPA 400 SIDE TONE MOD. ALL WORK DONE IN ACCORDANCE WITH SIGTRONICS SPA-400 SERVICE BULLETIN SPA-MS-L
				QUALITY AVIONICS, INC. C.R.S. QU8R488X WO# 0804111
				
				GARY LEE HUTCHINSON JR

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME: SERI	ITEM: ORDER: 1969836 PN: 0523901-7 OT: N/A DFSC: SKIN QTY: 1 U/M: EA
6/20/08	438.1		403.5	1969836 PN: 0523901-7 OT: N/A DFSC: SKIN QTY: 1 U/M: EA
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. PO# C65365				
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				
15. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13 Certificates that unless otherwise specified in Block 13, the work described in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
16. Approval/Authorization No.: 100129CE		17. Name (Typed or Printed): KENNETH E. WYSOCKI SR., ODARF	18. Date (m/d/y): APR/02/2008	19. Authorized Signature: K. E. Wysocki
20. Authorized Signature: 21. Approval/Certificate No.: NSN 1052-00-072-4005				
22. Name (Typed or Printed): 23. Date (m/d/y): User / Installer Responsibilities: It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assembly from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.				
FAA Form 8130-3 (6-01) * Installer must cross-check eligibility with applicable technical data.				

6/20/08	438.1	4033.47	<p>COMPLETED 100<sup>HR</sup> ANNUAL INSPECTION IN ACCORDANCE WITH CESSNA CHECK SHEET. LUBED ALL FLIGHT CONTROLS, PICKED UP WHEEL BEARINGS. REFLUGED MAIN GEAR TIRES. REPLACED RH LOWER FLAP SKIN PN:0523901-7.</p> <p>REPLACED AIR INLET FILTER BA6108. REPLACED NOSE WHEEL BEARING PN:08125 PN:08931. CLW AD 72-03-03R3 WING FLAP JACK SCREW NO#T DUE 538.1</p> <p>TACT OR ANNUAL. CLW AD96-09-06 BRACKET AIR INLET FILTER BASKET NO#T DUE 538.1 TACT OR ANNUAL.</p> <p>CLW AD 49-20-03R2 SEAT TRACK NO#T DUE 538.1</p> <p>TACT OR ANNUAL. AD 2008-02-18 N/A NO PARACHUTE SYSTEM.</p>
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*[Signature]* **User/Installer Res**  
I understand that the existence of this document alone does not automatically c  
or Repair  
astaller performs work in accordance with the national regulations of an airwo  
tial that the user/installer ensures that his/her airworthiness authority accept  
\_\_\_\_\_) \_\_\_\_\_)

**M'S AIRCRAFT SERVICE, INC.**  
1559 AIRPORT ROAD  
**(FKL) FRANKLIN, PA 16323**  
**814-437-3000**

814-437-3000  
N5451R Model: Cessna 172F  
#. 17253005 Date: 10/23/08  
468.5 TT: 4063.87

ved regulator, PN: VR600 SN: A092299. Installed  
VR600 SN: I100174. Ops check okay at this time.

PINK J

2710781

## **WOM'S AIRCRAFT SERVICE, INC.**

## 559 AIRPORT ROA

(FKL) FRANKLIN, PA 16323

**14-437-3000**

↳ 2008 Tack = 477 hrs TR for 2008 = 58 hrs tack

Reg. # N5451R

Serjal # 17253005

Tach: 487.5

TT: 4082.87

Model: Cessna 172F

Date: 06/04/09

Hobb: 712.5

Completed 100hr annual inspection in accordance with Cessna check sheet.

C/W FAR 91.207(D). ELT Ops Check. C/W AD72-03-03R3 Wing Flap Jack

Screw, **NEXT DUE TACH: 587.5 or annual.** C/W AD96-09-06 Bracket Air Inlet Filter Gasket, **NEXT DUE TACH: 587.5 or annual.** C/W AD87-20-03R2

**Seat Track, NEXT DUE TACH: 587.5 or annual. Lubed flight controls.**

Packed wheel bearings. Replaced air inlet filter BA-6108. Replaced hose from vac. pump to fire wall. Installed anti-chafe tape on L/H & R/H flap skin. Installed nose wheel fairing and plate, PN:1243616-1. Replaced L/H wheel fairing mounting plate, PN:1441010-24. Replaced R/H stabilizer nose skin, PN:0532001-76. Replaced R/H stabilizer nose skin rib, PN:0532001-50. Replaced R/H stabilizer tip, PN:9910100-1.

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 6/2/10	TACIT 522.3	C/w Annual insp. IAW FAR 43 APP. D. Visiting Cessna + Cont. manufr. chgs + SVC Tires + Brakes. Replaced ELT Batteries (6 DURACELL) Test IAW FAR 91-207 + MFR. VOLK Bolt Due 6/12. chgs. lights, pitot heat, stall warning. Replaced intake air filter (B4 6108). chgs. AC Baffling colls v good. ALT/STATIC/XPONDER due 2/12. chgs. fuel screen, look v good. C/W AD 72-03-03 WING FLAP ACTUATOR TAKESCREW. C/W AD 87-20-03 SEAT TRACKS. C/W AD 76-07-12 IGN SWITCH C/W AD 96-09-06 w/ new Gasket. See AD list in A/C Records. Preflight + opcc v good.	AFTT 3531.3	Pilot of Log AP18658699170

TACH TIME 530.2

5451R

ATE 9-21-2010

REMOVED NARCO MK 12D NAV/COM S/N 55142, AND INSTALLED SERVICABLE LOANER NARCO MK 12D NAV/COM S/N 52881.  
EQUIPMENT FUNCTION CHECK PERFORMED.

QUALITY AVIONICS, INC C.R.S QU8R488X

GROVE CITY REGIONAL AIRPORT  
41 OAKLEY KELLY DRIVE  
MERCER, PA 16137

(724)748-5750

WO # 1009222 GARY LEE HUTCHINSON JR

— 1200 —

TACH TIME 533.7

15451R

DATE 10-12-2010

REMOVED LOANER NARCO MK 12D NAV/COM S/N 52881, AND INSTALLED FACTORY REPAIRED NARCO MK 12D NAV/COM S/N 55142. REPAIRS PERFORMED BY NARCO REPAIR STATION NUMBER DVIR100K UNDER WO NUMBER 30429C.  
EQUIPMENT FUNCTION CHECK PERFORMED.

QUALITY AVIONICS, INC. C.R.S. QU8R488X

GROVE CITY REGIONAL AIRPORT  
40 OAKLEY FELLY DRIVE  
MLB-118, PA 16137

(724)748-5750

VO # 1009222 GARY LEE HUTCHINSON JR

~~100000~~

#### Action of Inspections, Tests, Repairs and Alterations

**Description of Inspections, Tests, Reports**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Facility. (See back pages for other specific entries.)

AR: TE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Facility. (See back pages for other specific entries.)	
	End of 2010	Tach 0539 hrs	2010	37 flt hrs	
2011	0560.3			Replace Right and Left main gear tires with Condor 6.0x6 6 ply OHC by Aero Wheel and Brake Service Corp. - Replaced right main gear tube with new AeroFlite 6.0x6 tire Clean and repack R + L MG wheel bearings	RDP ATF 1968721
					8

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/10/11 1	560.8			<p>C/w Annual Inspt TAW 43 App D ✓ Licit and Cessna &amp; Pontiac Service Agreement.</p> <p>CH xdrake Adl PontMoto 5, CK wheel &amp; Brakes.</p> <p>ELT Check TAW FAR 91.207 (D)</p> <p>ALT STATIC Xpondar</p> <p>C/w AP 72-03-03A3 Winy Dog Jack Screw C/w Ad 96-09-06 Brust Aci Fultu Gallet, C/w Ad 87-20-03A2 Seat Track Rush Aci Fultu Bt 6108, CK Adl Electrics. system, pre flight by jpoock, X James Person</p> <p>AP 14644937A</p>

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8/24/11 1	545.8	7/2.5		<p>Fv 57411 CAb Heat Cable x repair Heat Box, Adjust for Normal Function Repair LH front Dent Rail Patches, Burst Poles. <sup>PIN</sup> 0700645-2</p> <p>James Person</p> <p>AP 14644937A</p> <p>End of 2011 tack 600 hrs 2011 flight time 61 hours</p>

N5451R

Approved By Lynnfoile 24848804

YEAR: DATE	TACH TIME	FLIGHT	TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b>				
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				
2012 9-13-12	611.4		3620.4	INSTALLED NEW BA 6108 AIR FILTER, CIC & ELT I/A/W FAN 81-207 Battery Due <del>04-14</del> 04-13. SERVICED NOSE STRUT. REMOVED WHEEL FRAMES. C/w AD 2011-10-09 SEAT RATCH + Roller Housing br IASPI C/w A/D 2008-26-10- ALTERNATE STATIC AIR SOURCE SELECTOR VALVE - N/A NOT INSTALLED. ALL OTHER AD P/C/W SEE NEW A/D LIST. SERVICED AIRCRAFT AND 100 hr. Inspection.				
				I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition. <u>Donald D. Currin</u> A&P 2127617				

9-13-12

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b>
9/13/12	611.4		3620.4	-Hrs. Aircraft was Previously serviced & Inspected This Time & date I/A/W 100-Hr Inspection by Donald R. Carnahan A&P # 2127617. C/w A/D 76-07-12 mag. sw. by INSPECTION. All other A/d's P/c/w. See New A/D List in rear of Logbook this date. Aircraft was Serviced & Annual INSPECTION.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN  
INSPECTED IN ACCORDANCE WITH A  
Annual INSPECTION AND WAS  
DETERMINED TO BE IN AN AIRWORTHY  
CONDITION. Paul McCloskey 9/13/12  
IA-233606093

TACH TIME	FLIGHT	TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Facility. (See back pages for other specific entries.)
TACH TIME 610.00		N5451R	DATE 08-29-2012
REMOVE BACK UP HORIZON CASTLEBERRY MODEL 300-14EL P/N 504-0006-954 S/N 205J03258			
INSTALLED TURN AND SLIP ELECTRIC GYRO CORP P/N 1394T100-3(SP) OVERHAULED BY RUDY AIRCRAFT INSTRUMENT C.R.S. R1ZR-316K UNDER WORK ORDER 31416 INSTALLED IN PLACE OF AI APPROVED FOR RETURN TO SERVICE PENDING FLIGHT OPERATION CHECK			
QUALITY AVIONICS, INC. C.R.S. QU8R488X GROVE CITY REGIONAL AIRPORT 40 OAKLEY KELLY DRIVE MERCER, PA 16137 (724)748-5750			
WO # 1208291 GARY LEE HUTCHINSON JR			
 			
New E.W.T. 1423.00, New U.L. 877.00, New E.W.T. CG. 37.83 New moment. 53825.00. See new Revision on wt. & bal.			

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
10/15/12	616.2	3625.2	Hobbs Time S18.5-Hrs. Installed Good used DGTCON Hobbs meter same type as one Removed. Removed CLOCK P/N S1317N1 & Installed Good used clock same P/N. Installed 6-New J6984-8 Rubber instrument panel mounts on LH side. INSTALLED new P/N 0513319-14-8 upper INSTRUMENT panel cover. Removed varco MK12D Radio s/n 55142 (TOP Radio) REPAIRED by Aircraft to Avionics Sales, INC. & INSTALLED Radio. Var & Radio check OK. Removed weights from prop Back plate, no vibration. Full <u>McGee</u> A+P 233606093	

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9-19-13	633.7	3642.7		<p>INSTALLED NEW BA-6108 AIR FILTER. CHECKED ELT I/A/W 91:207 - ELT BATTERY DUE REPLACEMENT 04-14 - REPAIRED GROUND LEAD ON AFT NAV LIGHT - DRESSED PROP &amp; TREATED WITH CORROSION X. SERVICED NOSE STRUT. C/W AD 22-03-03 FLAP JACKSCREW BY INSPI. C/W AD 26-02-12 - BENDIX MAG SW. - BY INSPI. AD 11-10-09 - SEAT RAILS AND ROLLER HOUSING - BY INSPI. ALL OTHER AD's P/C'D. SERVICED AIRCRAFT AND 100H. INSPECTION.</p> <p>I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition. <u>Donald R. Carnahan</u></p> <p>09-19-13      A&amp;P 2127617</p>

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/19/13	633.7		3642.7	<p>AIRCRAFT Previously Service &amp; Inspected THIS TIME &amp; DATE I/A/W 100-Hr INSPECTION by Donald R. Carnahan A&amp;P 2127617. All Ad's P/c/w. See Ad List. Aircraft was Serviced &amp; Annual Inspected.</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION <u>Tanu McGehee</u> 9/19/13 IA-233606093</p>

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-25-14	633.9	3642.9		<p>INSTALLED NEW BA 6108 AIR FILTER - INSTALLED (C)</p> <p>SIX NEW DURACELL MN13000 BATTERIES IN ELT BATTERY EXP. DATE DEC 2023 - DUE REPLACEMENT SEPT 2018</p> <p>CHECKED ELT I/A/W 9/1/2017. INSTALLED NEW SCAT</p> <p>Duct BETWEEN LH MUFFLER SHROUD AND CARB</p> <p>AIR BOX - C/W AD'S 72-03-03 - FLAP JACK SCREW</p> <p>By Insp. AD 76-07-12 - BENDIX MAG SW. By Insp.</p> <p>AD 2011-10-09 - SEAT TRACK AND ROLLER ASSTY. By Insp.</p> <p>ALL OTHER AD's P/C/W. REF. AD LIST!</p> <p>SERVICED AIRCRAFT &amp; 100 hr. Insp</p> <p>I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition.</p> <p><u>Donald R. Carr</u></p>

DL-25-14

A&amp;P 2127617

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/25/14	633.9		3642.9	<p>Hrs. Engine was Removed, M.O.t. &amp; INSTALLED</p> <p>see ENGINE Logbook. Aircraft was Previously</p> <p>Service &amp; INSPECTED This Time &amp; date I/A/W 100-Hr</p> <p>INSPECTION by Donald R. Carruthers A&amp;P 2127617.</p> <p>All AD's P/c/w. See AD LIST. Aircraft was Serviced</p> <p>&amp; Annual Inspection.</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN</p> <p>INSPECTED IN ACCORDANCE WITH A</p> <p>ANNUAL INSPECTION AND WAS</p> <p>DETERMINED TO BE IN AN AIRWORTHY</p> <p>CONDITION.</p> <p><u>Paul McCauley 6/25/14</u></p> <p>IA-233606093</p> <p>CESSNA ALTIMETER P/N. 31313 S/N. 33936,</p> <p>INSTALLED GOOD USED ALTIMETER SAME TYPE</p> <p>ALTIMETER BY INSTRUMENT + flight Research P/N. TR841-15 S/N. 348.</p> <p><u>Paul McCauley A&amp;P 233606093</u></p>

Description of Inspections, Tests, Repairs and Alterations		
TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	3658.5	<p>Hobbs Time 567.3</p> <p>Remaded Narco mod. AT50A s/n.33362 Trans- ponder unit only + Installed Narco mod. AT50A s/n.44790 Transponder unit only from BENNETT AVIONICS Airworthiness Approval Tag #8130-3</p> <p>July 1 2015. Paul McCloud IA 233606093</p>

HOBBS TIME 568.0 HR

Removed Narco Ar-850 Encoder SN: 32071 and installed Transcal D120-P2T SN: 59068 in existing location. Installed static system sump PN: S1258-1 and replaced leaking static lines from sump to airspeed and from airspeed to altimeter. Tightened leaking Pitot fitting on back of airspeed indicator.

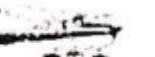
QUALITY AVIONICS, INC. C.R.S. QU8R488X

GROVE CITY REGIONAL AIRPORT  
40 OAKLEY KELLY DRIVE  
MERCER, PA 16137

(724)748-5750

WO #1507231

Kevin Cowey



*Kevin Cowey*

YEAR: <u>2016</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE <u>6-16</u>	<u>661.3</u>	<u>3670.3</u>		Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<u>INSTALLED NEW PA-6108 AIR FILTER. CH ELT J/17/W</u>
				<u>91-207-LK OK. BATTERY DUE REPLACEMENT 9/18.-INSTALLED</u>
				<u>NEW PIN 043-0/200 BRAKE PRESSURE PLATE ON LH. BRAKE</u>
				<u>ASSY. INSTALLED NEW PIN LL-105 BRAKE LINING ON BOTH</u>
				<u>RH + LH BRAKE ASSY's. INSTALLED NEW PIN MC 5372-3 PULLEY,</u>
				<u>FOR ELEVATOR CON TON CABLE ATT OF BRAKE COMPARTMENT.</u>
				<u>C/W AD 72-03-03 FLAP JACK SCREW, C/W AD 76-07-12 -</u>
				<u>MAG SW BY ZNSP. C/W AD 2011-10-09 SEAT TRACK &amp; ROLLIN.</u>
				<u>ALL OTHER A/I'S PKW TRANSBSP. SERVICED PC + 100hr INSPE.</u>
				<u>I CERTIFY THAT THIS AIRCRAFT</u>
				<u>INSPECTED IN ACCORDANCE WITH A</u>
				<u>ANNUAL INSPECTION AND WAS</u>
				<u>DETERMINED TO BE IN AN AIRWORTHY</u>
				<u>CONDITION.</u>
				<u>MAILED 6/16/2016</u>
				<u>TA # 19C9652</u>
				<u>I certify that this AIRCRAFT has been</u>
				<u>inspected in accordance with a 100 hr inspection and</u>
				<u>has been determined to be in an airworthy condition.</u>
				<u>James DeLoach</u>
				<u>06-16-2016</u>
				<u>A&amp;P 2127617</u>

<b>YEAR:</b>	<b>RECORDING TACH TIME</b>	<b>TODAY'S FLIGHT</b>	<b>TOTAL TIME IN SERVICE</b>	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<b>DATE</b>				

## **STIMETER / STATIC SYSTEM**

accordance with the requirements of FAR 91.411 the following system(s) and/or Instruments have been tested and inspected and found to comply with the Appendices E and F of Part 43 and Federal Aviation Regulations.

ic Pressure System(s) Test Date Left 7-1-16 Right ✓

Left UNITED 5434P-3 <sup>ALTIMETER(S)</sup> 467453 14K ft

Model S/N Test to ft

Model S/N Test to

*Left TCT D120PST R1200* AUTOMATIC PRESSURE ALTITUDE REPORT SYSTEMS 14Kft -

Model / S/N Test to

Right \_\_\_\_\_ ft  
e 16-22 Model *S* S/N Test to

16056  
ork Avionics  
Liberator Lane  
  
Indiana County Airport HG1R191K  
Indiana, PA 15701

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technical Facility. (See back pages for other specific entries.)
DATE				

## **TRANSPONDER / ALTITUDE ENCODER**

**TRANSPONDER / ALTITUDE ENCODER**  
In accordance with the requirements of FAR 91.413 the ATC Transponder(s) have been checked and inspected and found to comply with Appendix F of Part 43 and the Federal Aviation Regulations. N14000 ATSDA Ramp

1 NARCO Model 111 S/N

Make 2 Model S/N

**Model**  
The integrated altitude data correspondence system(s) have been tested, inspected and found to comply with Paragraph (c), Appendix E of the Federal Aviation Regulations.

1 TCL Model D200E S/N \_\_\_\_\_  
Make \_\_\_\_\_

Make 2 \_\_\_\_\_ Model \_\_\_\_\_ S/N \_\_\_\_\_

Make 11026 Model Ses Date

WO#:16036 By:TT

Airwork Avionics  
131 Liberator Lane  
Indiana County Airport

N5451R

DATE: 07/14/2017      A/C TT: 3696.7      TACH: 687.7

INSTALLED NEW AIR FILTER P/N BA-6108. CHECKED ELT I/A/W 91.207 AND UNIT CHECKED OK AND BATTERY DUE FOR REPLACEMENT – 09/18. REPLACED BOTH MAIN WHEEL BEARINGS P/N 13889 AND RACES P/N 13836, AND ALL UNITS ARE ZERO TIME SINCE NEW. C/W AD 72-03-03 FLAP JACK SCREW: AND AD 76-07-12 MAG CHECK; AD 2011-10-09 SEAT TRACK AND ROLLERS. ALL OTHER AD'S P/C/W. LUBED A/C FLIGHT CONTROLS, SEAT TRACKS AND DOORS. A/C HAS BEEN INSPECTED I/A/W A 100 HR. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WILLIAM C. MORRISON, JR.  
A&P # 1869652 *William C. Morrison, Jr.*

A&P # 1869652 *William C. Morrison, Jr.*

I CERTIFY THAT THIS AIRCRAFT HAS  
BEEN INSPECTED IN ACCORDANCE

WITH AN ANNUAL INSPECTION,  
WAS DETERMINED TO BE IN

AIRWORTHY CONDITION

**LA #1869**

YEAR:	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency
DATE		(New Ad LIST SEPT. 13, 2012)
59-10-03	Flasher sw.	N/A. by S/N.
68-17-04	STALL warnings.	N/A. by S/N.
68-19-05	Placard.	N/A. by ENGINE.
69-15-03	MUFFLER.	N/A. by NO STC.
71-18-01	Fuel Placard.	P/c/w.
71-22-02	Nose Gear Fork.	N/A. by P/V. <i>Insp, Clean + Lube</i> <i>each ANNUAL or 12-mo.</i>
72-03-03	Wing flap Jacks.	
72-07-02	Selector Placard.	P/c/w.
73-17-01	Fuel Placard.	N/A. by Fuel Tank.
73-23-07	Spar F. Rings.	N/A. by S/N.
74-04-01	AFT. Bulkhead.	N/A. by S/N.
74-06-02	MUFFLER.	N/A. by MUFFLER-

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YEAR:	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
DATE			
76-07-12	Bendix mag. sw.		<i>INSP. each 100-Hr.</i>
77-02-09	WING FLAP sys.		N/A. by S/N.
79-08-03	ELECT. sys.		N/A. by S/N.
79-10-14	FUEL TANK VENT.		P/c/w.
81-15-03	AIR FILTER.		P/c/w.
82-07-02	CRANKCASE BREATHER.		P/c/w.
83-17-06	AIR BAL. WTS.		N/A. by NO STC.
90-06-03	MUFFLER ASS.		N/A. by S/N.
93-24-15	LIGHT Rheostat.		P/c/w.
96-09-06	AIR FILTER ASSEM.		P/c/w by new bracket Revision H Assembly.
96-13-22	OIL ADP.		N/A. by NO FILTER.
97-01-13	FUEL + OIL HOSES.		N/A. by HOSES.

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Paul McConaughy 9/13/12  
IA.233606093

Airworthiness Directives			
YEAR:	A.D. NUMBER	TOTAL TIME IN SERVICE	Chronological Listing of Compliance and Method of Compliance
DATE			
98-14-03	Transponder.	N/A. by Varco.	
98-25-02	Top Ant.	N/A. by Ant.	
99-27-02	Fuel Valve.	N/A. by date.	
01-23-17	GNS 430 units.	N/A. by mod.	
04-19-01	Shoulder Harness.	N/A. by Harness. NO	
05-01-19	Shoulder Harness.	N/A., NO Harness.	<i>Paul McCauley 9/13/12 IA. 233606093</i>
05-25-08	Flight Sys.	N/A. by Flight Sys.	
06-03-08	Vac. Pump.	N/A. by Pump.	
06-12-07	ECI's cyl's.	N/A. by cyl's.	
08-02-18	Nylon Screws.	N/A. by NO STC.	
08-10-02	Placard.	N/A. by date.	
08-26-10	Sector Valve.	N/A. by Valve	

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Manufacturers' Mandatory Service Bulletins			
YEAR:	TOTAL TIME IN SERVICE	Chronological Listing of Compliance and Method of Compliance	
DATE			
11-10-09	Seat Rails.	<i>due each 100-Hrs or 12-010. by Insp.</i>	<i>Paul McCauley 9/13/12 IA. 233606093</i>
			7/1/2018

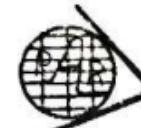
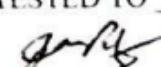
**N5451R**  
**CESSNA 172F SERIAL NUMBER 17253005**  
**TCM 0-300-D SERIAL NUMBER 33038-D-5-D**  
**McCAULEY 1C172/EM7653 SERIAL NUMBER S1016**  
**AIRCRAFT TOTAL TIME: 3740.6 TACHOMETER: 731.8 HOBBS: 675.6**  
**ENGINE TOTAL TIME: 3740.6 SINCE MAJOR OVERHAUL: 97.9**

**I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Aircraft is approved for returned to Service.**

Performed FAR 91.207 d. Unit is airworthy at this time. Next Compliance due 07/2019. ELT Batteries. Due 9/2018. Replaced induction air filter Bracket BA-6108. Aircraft operational checks within manufacturers' parameters.

KURT PAUL KORINKO 3772484IA *K.P.K.* \*See AD compliance listing for current status.  
 nothing follows

YEAR: DATE	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange				YEAR: DATE
		Item	Manufacturer's Name	Model	Serial Number	
11/18		Engine Oil Changed @ <del>11/18</del> each time <del>1000</del> Hrs time. Phillips X/C 2010-50	735.6			<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
11/18		ELT Battery Changed 11/18 John C Dusure 3142212				<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
						<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
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						<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional

<b>TOTAL TIME IN SERVICE</b>  	<b>PITTSBURGH AIR RADIO INC. ALLEGHENY COUNTY AIRPORT WEST MIFFLIN, PA 15122 412-469-8400 F.A.A. AZ1R026K</b>	<b>Altim Rea</b>  10 20 30 40 60 80 100 1200 1400 1600  The alti static sy Aircraft Date
	A/C Reg. # <u>N5451R</u> ACTT: <u>746.8 TACH</u>	Date: _____ W/O # _____
	THE FOLLOWING TESTS AND INSPECTIC PERFORMED: THE TRANSPONDER TEST 91.413 I.A.W. APPENDIX F OF PART 43.	
		
	<b>PITTSBURGH AIR RADIO INC. ALLEGHENY COUNTY AIRPORT WEST MIFFLIN, PA 15122 412-469-8400 F.A.A. AZ1R026K</b>	
	A/C Reg. # <u>N5451R</u> ACTT: <u>746.8 TACH</u>	Date: _____ W/O _____
	THE FOLLOWING TESTS AND INSPECTIONS F THE STATIC SYSTEM, ALTIMETER AND THE TEST REQUIRED BY FAR 91.411 IAW APPEND ALTIMETER WAS TESTED TO <u>2000</u> FT	
		

	ADD Algebraicall	
eter ds	Room Temp.	°C
0	+20	
00	+20	
00	+10	
00	0	
00	0	
00	+10	
00	+30	
00	+20	
00	+20	
00	0	
00	-30	

with the altimeter an integral part of the aircraft types established in AC 43-2038.

Static System No. P-104

Tested By: J.P.-J.

burgh Air Radio  
A # AZ1R026K

#### Addition of Required—Expanded for Options

**Removal of Required—Exchanged for Options**

	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange				Notes
DATE	Item	Manufacturer's Name	Model	Serial Number		
11/17	Removed All 3 Fariers A-37.45 Revised W&B: W=1395.2 H=522 T=765.5				<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input checked="" type="checkbox"/> Removal of Required-Exchanged for Optional	N5451R  <b>CESSNA 172F SERIAL NUMBER</b> <b>TCM 0-300-D SERIAL NUMBER 33038-D-5-D</b> <b>McCAULEY 1C172/EM7653 SERIAL NUMBER S1016</b> <b>AIRCRAFT TOTAL TIME: 3774.3 TACHOMETER: 765.5 HOBBS: 722.2</b> <b>ENGINE TOTAL TIME: 3774.3 SINCE MAJOR OVERHAUL: 131.6</b>  <i>I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Aircraft is approved for returned to Service.</i>  <b>Performed FAR 91.207 d. Unit is airworthy at this time. Next Compliance due 07/2020. ELT Batteries. Due Nov 2020. Replaced induction air filter Bracket BA-6108. Aircraft operational checks within manufacturers' parameters.</b>
3/19	Removed Narco MARK 12 NavCom and Sent to New Cumberland PA Expect return Friday 4/10/2019 Revised W=1389.4 A-37.56 H=52180 T=765.55				<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional	
5/9/19	Installed uAvionix Sky Beacon ADS-B Part# UAV-1001856-002 S/N 104693.				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	 <b>SERIAL NUMBER:</b> 1004693
	Installed & configured 1/1/20 uAvionix radio Ronald O. Oline ATP 2092857					 <b>KURT PAUL KORINKO 3772484IA</b> <i>*See AD compliance listing for current status.</i> <i>nothing follows</i>

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft in accordance with the national regulations by the user/installer before the aircraft may be flown. The FAA Form 8130-3 and JAA Form 1 are equivalent.

Jason Carl

Model: skyBeacon TSO  
P/N: UAV-1001856-002



300 Pine Needle Lane | Bigfork | MT | 59911  
www.uAvionix.com | Phone: 1-844-827-2372

uAvionix  
P/N: UAV-1001856-002  
MOD: 3  
S/N: 1004693

### Certificate of Conformance

I hereby certify that the product/s enclosed herewith, manufactured by uAvionix Corporation, have been inspected and found to be in full accordance with the specifications of:  
TSO-C154c B1S, TSO-C145d Beta 1 INCOMP, TSO-C38b,  
TSO-C30c Type I, and TSO-C96a Class II.

CM

By \_\_\_\_\_  
Country of Origin: U.S.A.

Date: 10/25/21  
UAV-1002530-001 (Rev C)

Course Airport